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sequence variability for the gene encoding the CD40 ligand. As described in the instant specification on page 13, lines 15-31 to page 14, lines 1-8, sequence variability is discussed with respect to the DNA promoter region that affects transcription of the mRNA for the CD40 ligand. Gomoloka, in Table 1 on page 21 and in the paragraph spanning columns one and two on page 28, describes a polymorphism comprising a dinucleotide repeat in the 3' untranslated region of the CD40 ligand gene that confers variability in the stability of the CD40 ligand mRNA or that alters the efficiency of translation of the CD40 ligand mRNA. Therefore, the targeted gene region encoding for the CD40 ligand described by Gomoloka and that of the instant application are different, and the difference has functional consequences. Applicants respectfully request reconsideration and withdrawal of this rejection.

Applicants respectfully submit that the invention of Groups I-V have a special technical feature that defines the contribution over MacDonald et al. (*J. Clin. Invest.* 100: 2404-2414, 1997)(hereafter “MacDonald”). The difference between the pending claims and MacDonald is the targeted location of the sequence for the gene encoding the CD40 ligand. As described in the instant specification on page 50, lines 10-12, primer sequences were used to amplify the 5’ promoter region sequence of the CD40 ligand. MacDonald, on page 2407 in the paragraph spanning columns one and two and on page 2408, in the legend of Figure 3, describes using primer sequences to amplify the mRNA, not the promoter region, of the CD40 ligand. MacDonald does not discuss amplification of the promoter region, nor would it be possible to amplify the promoter sequence when performing PCR to detect mRNA. Therefore, the specific region of the CD40 ligand gene described by MacDonald and that of the instant application are different, and the difference has functional consequences. Applicants respectfully request reconsideration and withdrawal of this rejection.

Therefore, Applicants respectfully submit that none of the above references cited by the Examiner teach the claimed nucleic acid, vector and host cell. The invention of Group I has a special technical feature that defines the contribution over the above-cited references. In fact, Groups I-V are so linked by the same or a corresponding special technical feature as to form a



